FROLOVA, Ye. K.

Cand Geol-Min Sci - (diss) "Petrography of the Lower Permian Deposits of the Kuybyshevskiy Volga Region and the northwestern part of Orenbugskaya Oblast." Kuybyshev, 1961. 14 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Kuybyshev Industrial Inst imeni V. V. Kuybyshev); 150 copies; price not given; author not indicated on cover; (KL, 6-61 sup, 204)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

FROLOVA, Ye.K.

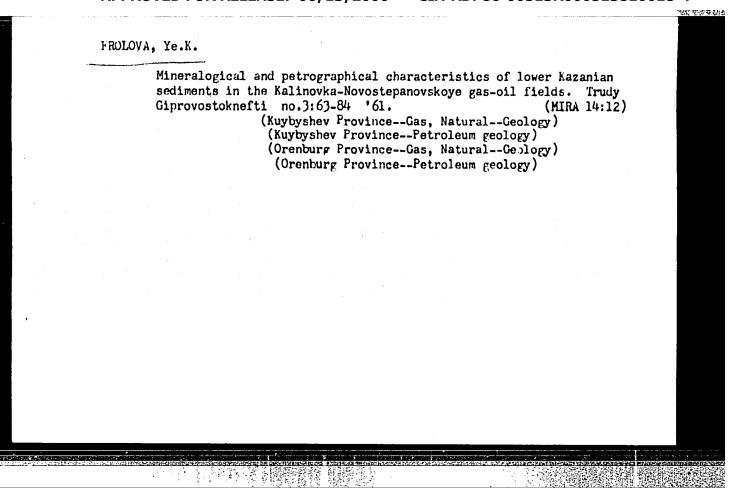
Structure of carbonate rocks in Lower Permian sediments of the Volga Valley portion of Kuybyshev Province. Trudy Giprovostoknefti no.3:43-57 '61. (MIRA 16:7)

(Knybyshev Province-Rocks, Carbonate)

FROLOVA, Yeak.

Structure of sulfate formations in Lower Permian sediments of the Volga Valley portion of Kuybyshev Province. Trudy Giprovostoknefti no.3:58-62 61. (MIRA 16:7)

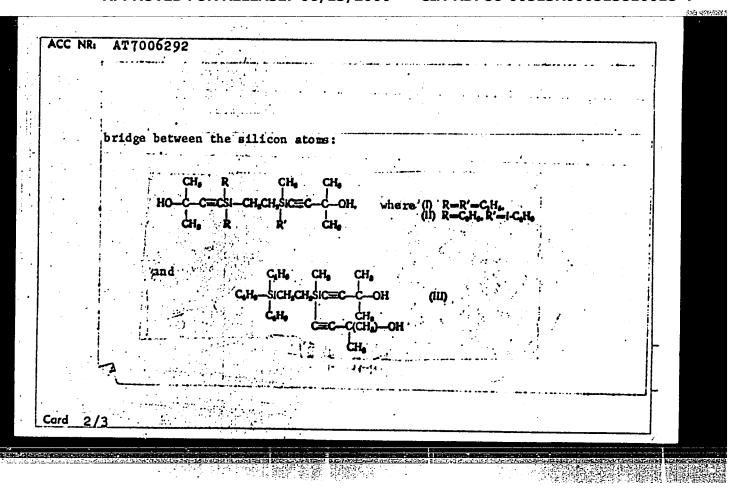
(Kuybyshev Province-Sulfates)



AT7006292 (N) SOURCE CODE: UR/0000/66/000/000/0039/0045 ACC NRI AUTHOR: Kuznetsova, V.P.; Smetankina, N.P.; Chernaya, N.S.; Oprya, V.Ya.; Frolova Ye.K. ORG: none TITLE: Study of the electrical and physical properties of polymers prepared from organosilicon tertiary diacetylenic alcohols (communication 9) SOURCE: AN UkrSSR. Sintez i fiziko-khimiya polimerov (Synthesis and physical chemistry of polymers). Kiev, Naukova dumka, 1966, 39-45 TOPIC TAGS: organic semiconductor, semiconducting polymer, organosilicon compound ABSTRACT: A study has been made of the electrical properties of polymers prepared. by the thermal polymerization of certain tertiary diacetylenic organosilicon alcohols of symmetric or unsymmetric structure having an ethylene 1/3 Card UDC: none

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ACC NR. AT7006292

The polymers were subjected to heat treatment at 200-600°C under argon. The heat-treated polymers were either readily fusible resins, or fine powders which could not be pressed at pressures up to 104 kg/cm2 and temperatures of several hundred degrees centrigrade. Therefore, conductivity measurements were carried out for samples directly under pressure (10^3 kg/cm^2). It was found that prior to heat treatment, the polymers were typical insulators (p, > 1014 ohm cm). Heat treatment at 300-500°C produced products with organic-semiconductor and paramagnetic properties (unpaired spin concentration, 10^{18} — 10^{19} spin/g). The electrical conductivity of the polymers had no ionic component. The temperature dependence of resistivity measured at 20-150°C obeyed an exponential law. 'The resistivity at 20°C was of the order of 1011 to 106 ohm.cm, and the activation energy for conduction was 0.3-0.5 ev. Each polymer had a critical heat-treatment temperature beyond which resistivity dropped sharply; for polymers of I and II it was about 400°C, and for the polymer of III, about 300°C. IR spectroscopy and weight loss data suggest that on heat treatment at 300-400°C, the polymers undergo partial degradation and formation of conjugated regions. Orig. art. has: 3 figures. [SM]

SUB CODE: 11, 20/ SUBM DATE: none/ ORIG REF: 004/ ATD PRESS: 5116

Card 3/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

ACC NR: AP7000202

(A)

SOURCE CODE: UR/0079/66/036/011/2005/2009

AUTHOR: Smetankina, N. P.; Kuznetsova, V. P.; Lyukas, S. D.; Belogolovina, G. N.; Frolova, Ye. K.

ORG: Institute of Chemistry of High Molecular Compounds, Academy of Sciences, Ukrainian SSR (Institut khimii vysokomolekulyarnykh soyedineniy Akademii nauk Ukrainskoy SSR)

TITIE: Synthesis and study of functional organosilicon compounds with a hydrocarbon bridge between the silicon atoms. Part 11: Acetylenic alcohols of disilylmethylene, and -ethylene and some of their conversions

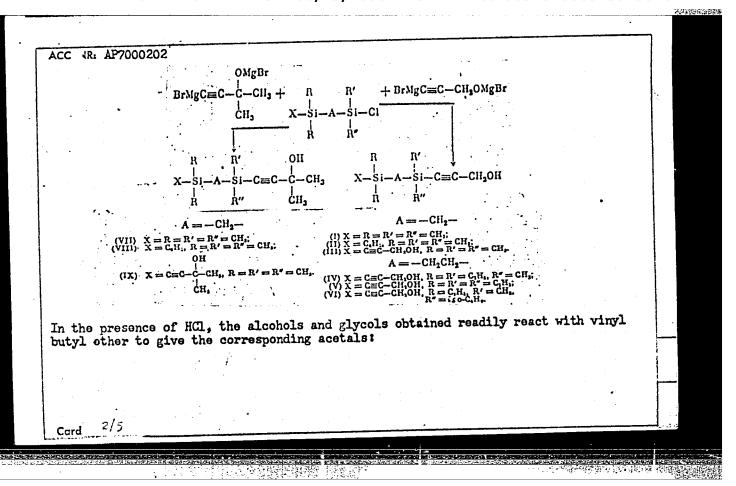
SOURCE: Zhurnal obshchey khimii, v. 36, no. 11, 1966, 2005-2009

TOPIC TAGS: acetylene compound, organosilicon compound, alcohol

ABSTRACT: Continuing their studies, the authors investigated primary and tertiary acetylenic organosilicon alcohols and glycols and some of their conversions. Acetylenic alcohols of the disilylmethylene and -ethylene series were synthesized as follows:

Card 1/5

UDC: 661.718.5+547.362



ACC NR. AP7000202 CIIa CIIa OC_4II_0 Cil, Cil, $X=SICH_2SI-C=C-CH_2O-CH-CH_3.$ X-SiCII2SI-C=C-C-OCII-CII3 ÇII³ ÇII³ CII3 CII3 (XII) $X = CH_1$, (XIII) $X = C_1 I_1$, (XIV) $X = C_2 C_1 C_2 C_3 C_4$, CH, CH, CH, $\begin{array}{cc} (X) & X = CII_{i_i} \\ (XI) & X = C_iII_{i_i} \end{array}$ (XV) $R' = CH_1$, $R'' = C_1H_1$; (XVI) $R' = R'' = C_1H_1$; (XVII) $R' = CH_1$, $R'' = i \circ \circ C_1H_2$ Substitution of chlorine for the hydroxyl group in primary acetylenic alcohols by means of thionyl chloride in the presence of pyridine formed products of the type $X-SI-A-SI-C=C-CII_2CI$ A=-CII,CII,-(XXI) X = C=C-CH,Cl, R'=R'=CH Card 3/5

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4

				Com-	Yield (%)		Tabl	•	. MRg		- · ·		
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Car	d 4	15	•					<u>'</u>					

ACC NR: AP7000202

In addition, the following y-chloro derivatives of tertiary alcohols were obtained by chlorination:

The yields and physical constants of the synthesized compounds are given in Table 1. Orig. art. has: 2 tables.

SUB CODE: 07/ SUBM DATE: 12Jul65/ ORIG REF: 005/ OTH REF: 001

Card 5/5

PREYS, M.O.; FROLOVA, Ye.N. Use of steam-oxygen blast in shale distillation generators. Trudy (MLRA 8:12) VNIIPS no.3:199-208 155. (Baltic Sea region -- Oil shales) (Hydrocarbons)

LROLOVA, le. N.

USSR/Zooparasitology - Parasitic Protozoa.

G-1

Abs Jour

: Ref Zhur - Biol, No 10, 1958, 43367

Author

: Frolova, E.N.

Inst

: -

Title

: Parasitic Ciliates of Astomata Group of Oligochaete of

Eastern Murman.

Orig Pub

: Zool. zh., 1957, 36, No 9, 1281-1291.

Abstract

: In ologochaeta Clitellio arenarius, Lumbricillus lineatus, L. profugus, Marionina crassa and Enchutraeus albidus, 4 species of Astomata are identified: Radiophrya prolifera (3 forms), R. grandis sp. n., Mesnilella fastigata, and anoplophrya filium (descriptions are given). Wide variations are noted in R. prolifera, due to its habitat on different species of hosts and the difference in their eco-

logy.

Card 1/1

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COUNTRY ះ បិននក CATECORY : Zooparasitology.Parasitic Worms.General Problems ABS. JOUR. : RZhBiol., No. 4 1959, No. 14976 AUTHOR : Frolova, Ye. N. INST. : Leningrad State Pedagogical Institute: TITLE : Infectivity of Molluscs of Lake Fertozero by Parthenogenetic Generations and Larvae of Trematodes ORIG. PUB. : Uch.zap.Leningr.gos.ped.in-ta im. A.I.Gertsen, 1958, 143, 217-259 ABSTRACT : Over 8 thousand molluscs belonging to 17 species were dissected. The average percentage of infestation was 41.2. 27 species of cercariae were discovered. The most various cercarial fauna is found in Galba palustris, Limnaea stagnalis, Coretus corneus and Bithynia tentaculata. Some a im. .. I. Gertsen CARD: 1/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

PREYS, V.F., doktor tekhn. nauk; FROLOVICH, Ye.N., inzh.

Feeding of billets in automatic transfer machine lines.

Mekh. i avtom. proizv. 18 no.4:7-11 Ap'64. (MIRA 17:5)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

MIKHINA, Tat'yana Nikolayevna; FROLOVA, Yelena Nikolayevna; SHCHERBINA, Tat'yana Vladimirovna; KAPYSHEVA, V.S., red.; MUKASHOVA, V.A., tekhn. red.

[Laboratory manual on the zoology of invertebrates]Praktikum po zoologii bezpozvonochnykh. Pod red. E.N.Frolovoi. Moskva, Vysshaia shkola, 1962. 207 p. (MIRA 15:11) (Invertebrates)

GOTOVTSEVA, L.A.; ZERMOVA, K.N.; SHIKHER, M.G.; FROLOVA, Ye.N.

Simplified method of continuous alkali-peroxide bleaching of fabrics. Nauch.issl.trudy IvNITI 25:154-182 '61. (MIRA 15:10) (Bleaching) (Textile fabrics)

KAZAKOV, N.F., red.: FROLOVA, Ye.S., otv. za vypusk: SUKHAREVA, R.A., tekhn.red.

[New problems in metal cutting] Novye voprosy rezeniia metallov. Moskva, 1958. 38 p. (Peredovoi opyt proizvodstva. Ser. *Tekhnologiia mashinostroeniia, no.24. Obrabotka metallov rezeniem). (MIRA 13:1)

 Moskovskiy Dom nauchno-tekhnicheskoy propagandy imeni F.Z. Dzherzhinskogo.
 (Metal cutting)

DEOTYARENKO, Hikoley Stepanovich; BELOSTOTSKIY, L.Ya., red.; PROLOVA, Ye.S., otv. sa vypusk; SUKHAREVA, R.A., tekhn.red.

[Mechanization and automation in the manufacture of metal-cutting tools] Mekhanizatsiis i avtomatizatsiis v instrumental nom proizvodstve. Moskva, 1959. 50 p. (Moskovskii dom nauchno-tekhnicheskoi propagandy. Peredovoi opyt proizvodstva. Seriis: Progressivnais tekhnologiis mashinostroeniis, vyp. 8).

(MIRA 13:10)

(Metal-cutting tools) (Automation)

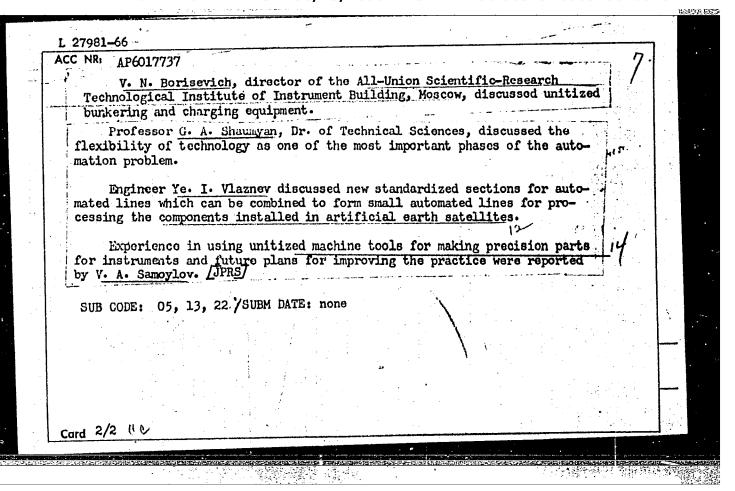
TILLES, Semen Aronovich; LETENKO, V.A., red.; FROLOVA, Ye.S., otv. za vypusk; SUKHAREVA, R.A., tekhn.red.

> [Economic efficiency of the use of special and multipurpose attachments with interchangeable parts in the machinery industry] Ekonomicheskaia effektivnost' primeneniia spetsial'nykh i universal'no-sbornykh prisposoblenii v mashinostroenii. Moskva, 1959. 63 p. (Moskovskii dom nauchno-tekhnicheskoi propagandy. Peredovoi opyt proizvodstva. Seriia: "Ekonomika i organizatsiia proizvodstva," (MIRA 13:4) no.5). (Machine tools--Attachments)

FROLOVA, Ye.S. Conference on over-all standardization of elements of production processes. Standartizatsiia 24 no.2:59-60 F '60. (MIRA 13:5) (Standardisation)

Improvement of the quality of metal-cutting tools is an urgent objective. Standartisatsiia 27 no.5:56-57 My '63. (MIRA 16:6) (Metal-cutting tools)

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27981-66 EWP(R)/EWP(Q)/	1033	
	23	
UTHOR: Frolova, Ye. S. (Referent)	£3 B	
DRG: MDNTP	P	
TITLE: Conference on the problems of unitization and standardization		
qq		
SOURCE: Standartizatsiya, no. 6, 1965, 31-33		
machine tool industry, precision instrume	nt	
ropic TAGS: scientific conference, machine tool industry, property industry, automation, satellite payload component, artificial earth satellite		
standardization	1	
ABSTRACT: A conference on the problems of unitization and standardization of the means of production in machine building and instrument manufacture of the means of production in machine building and instrument manufacture		
of the means of production in machine building and instruction Technical was held in February 1965 at the Moscow House for Scientific-Technical was held in February 1965 at the Moscow House for Scientific Technical		
was held in February 1965 at the Moscow House 101 Belling and Measuring Propaganda by the State Committee on Standards, Measures and Measuring		
Instruments_usin•	Í	
The chairman of the state committee, Professor V. V. Boytsov, Dr.		
The chairman of the state committee, flotts measures taken to of Technical Sciences, discussed recent extensive measures taken to		
of Technical Sciences, discussed recent extensive measures of manufacturing unitize and standardize new machine models and methods of manufacturing unitize and standardize new machine—tool manufacturing industry		
them, and admitted that the sale automatic lines which can be retooled		
produces scarcely any convertible automated the production of items of various sizes, types and models.		
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ard 1/12		1



FROLOVA, YE.V.

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Country : USSR

Category: Cultivated Plants. Grains.

The Jour: RZhB:01., No 11, 1958, No 48875

Author : Frolova, Ye V.

: Penza Agricultural Inst. : Testing Corn Variaties. Title

Orig Pub: Sb. tr. Penzensk. s.-kh. in-ta, 1956, vyp. 1,

59-66

Abstract: The Institute developed the following varieties: the earliest, Lew - Pervenets and Kazenskaya 108;

productive - hybrid Bukovinski 2; late varieties inter-strain hybrids VIR-25, VIR-37 and Minnesota 13; varieties which reached milky-waxy and milky

: 1/2 Card

Abs Jour: RZhBiol., No 11, 1958, No 48875

APPROVED RECEASE to 13/2006 Dent Tuber dnave and the Early Grushevskaya.

: 2/2 Card

M-31

FROLOVA YE. V.

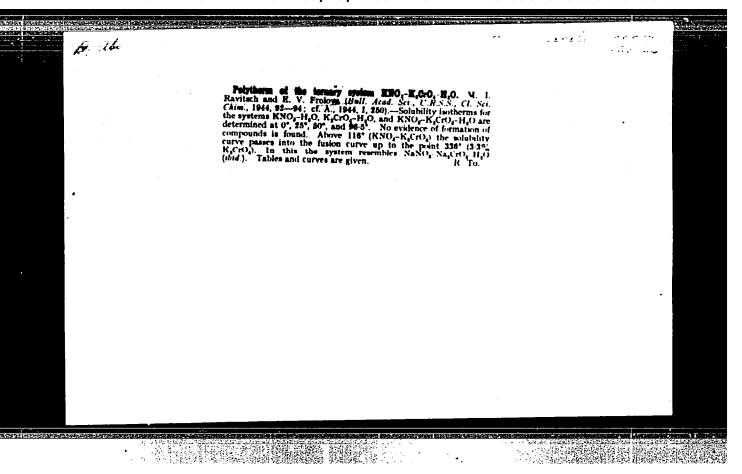
Country: USSR

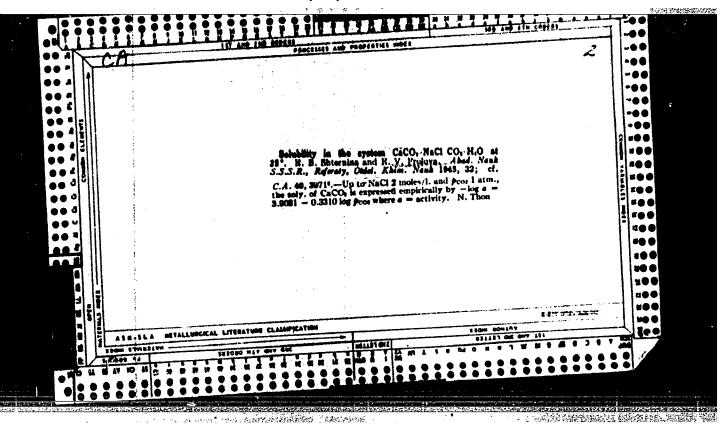
Category: Cultivated Plants. Grains.

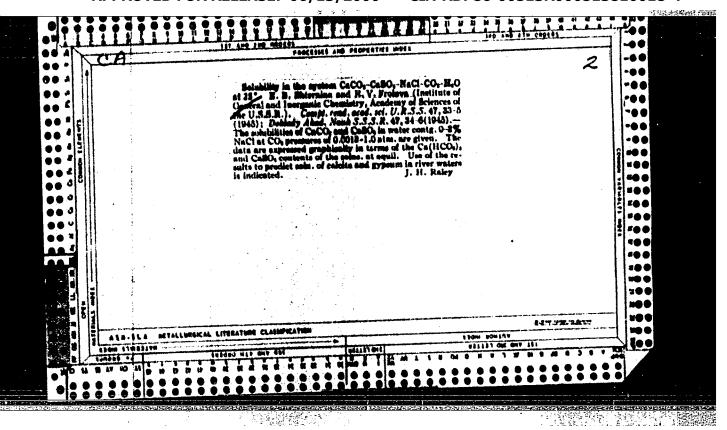
.bs Jour: RZhBiol., No 22, 1958, No 100253

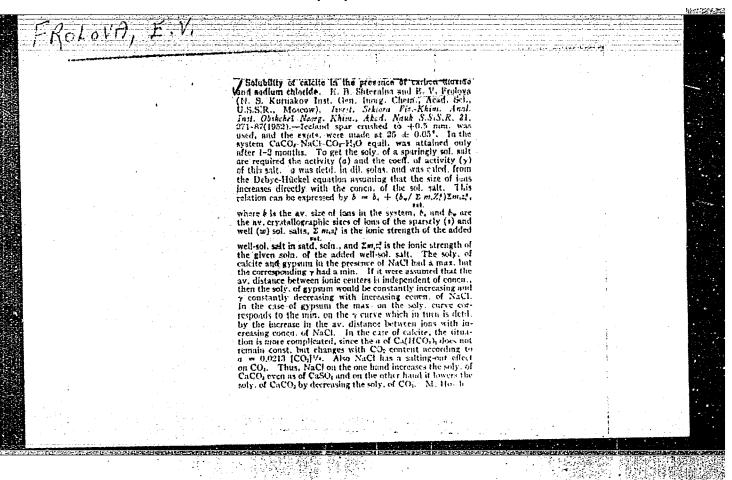
...uthor : Frolova, Ye. V.

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SHTERNINA, E.B.; FROLOVA, Ye.V.

Removal of ballast carbonates from Kara-Tau phosphorite ores.

Zhur.prikl.khim. 35 no.4:751-756 Ap '62. (MIRA 15:4)

1. Institut obshchey i neorganicheskoy khimii imeni N.S.Kurnakova AN SSSR.

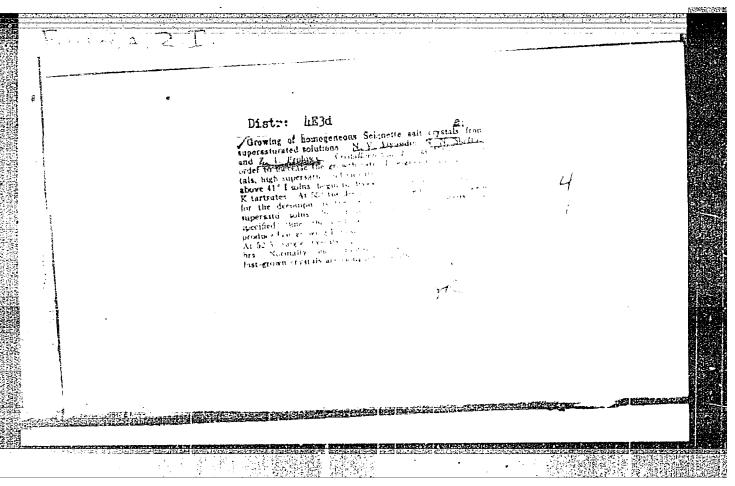
(Kara-Tau--Phosphorites) (Carbonates)

FROLOVA, Yu. M .

Kuybyshev Sci. Research Inst. Epidemiology & Microbiology, NKVdrave, RSFSR. (-1944-).

"Experiment with Employment of Concentrated Toxin in Lanolin for Obtaining of the Serum Antiperfringens,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 10-11, 1944.



SAPIR, A.D.; BIRYUKOV, N.D.; KATALINIKOV, S.G.; FROLOVA, Z.M.; NEGINA, V.R.; SHUVAHOVA, N.V.; KRASHEMINHIKOVA, Ye.P.; BLINOVA, R.V.

Exchange of experience. Zav.lab. 28 no.6:670-671 162.

1. Chelyabinskiy metallurgicheskiy zavod (for Sapir).

2. Institut neorganicheskoy khimii Sibirskogo otdeleniya AN SSSR (for Biryukov). 3. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva (for Katal'nikov, Frolova).

(Chemistry, Analytical)

ANDRIANOV, K.A.; SIPYAGINA, M.A.; GASHNIKOVA, N.P.; FFOLOVA, Z.M.

Synthesis of α.ω-disodiumhydroxymethylphenylsiloxanes and

Synthesis of α , ω -disodiumhydroxymethylphenylsiloxanes and α -sodiumhydroxy- ω -trimethyl(triphenyl)siloxymethylpenylsiloxanes. Izv. AN SSSR. Neorg. mat. 1 no.9:1441-1446 S '65. (MIRA 18:11

l. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

85147

S/19:/60/000/007/010/015 B004/B056

15,8000

1526, 1460

AUTHORS:

Danyushevskiy, A. S., Frelova, Z. N.

TITLE:

Investigation of the Stabilization of Polyvinyl Chloride Communication I The Stabilizing Effect of Epoxy Resins

PERIODICAL:

Plasticheskiye massy, 1960, No. 7, pp. 43 - 45

In the introduction, the authors give a survey of Western patents on the stabilization of polyvinyl chloride (PVC) Their own experiments showed that in the stabilization of PVC alone with 34-5 (ED-5) or A-6 (ED-6) epoxy resins the plastic takes on a reddishbrown color, whereas the combination of the epoxy resin with stearates only causes the substance to become weakly yellow. The authors give their data concerning decomposition temperature, thermal stability 16 and stability to the action of light in four tables. Table !: Stabilizing of PVC with ED-5 and 1/200 mole lead stearate or lead silicate; ratio of PVC to BC & (VSF) plastifier 100: 45 Lead stearate proved to be effective, whereas lead silicate did not. In Table 2

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Card 1/2

CIA-RDP86-00513R000513810018-4"

Investigation of the Stabilization of Polyvinyl Chloride. Communication I. The Stabilizing Effect of Epoxy Resins

85147 8/191/60/000/007/010/015 B004/B056

the stabilizing effects of the epoxy resin ED-5. ED-6 and 5H (5N) were compared. The thermostability with an addition of ED-5 or 5N was greater than with ED-5. With 5N particularly high frost-stability (-5500) was obtained. Table 3 gives the values for stress strength, elongation, volume stability, decomposition temperature, thermal stability, and photostability at different contents of ED-5. If the ED-5 content is decreased, only light resistance is diminished. Further, the β -naphthooxypropene oxide synthesized at the NIIPP (Scientific Research Institute of Polymerization Plastics) (1% of weight per PVC) in combination with Zn-, Ca-, Ba-, and Cd-stearate was tested (Table 4) as the lowest-molecular epoxy compound. By means of this compound, and in combination with cadmium stearate, a colorless transparent PVC-composition was obtained. The chemical engineers A. I. Rybakova and L. F. Budilina took part in these experiments There were 4 tables and 22 references: 9 Soviet 8 US 7 British, and 1 German.

Card 2/2

DANYUSHEVSKIY, A.S.; PARIASHKEVICH, N.Ya.; FROLOVA, Z.N.; SHENTSIS, I.S.

Automatic control of the kinetics of polyvinylchloride decomposition.
Plast.massy no.2:69-70 '61. (MIRA 14:2)

(Ethylene) (Plastics—Testing)

RUD', G.Ya.; MALTABAR, V.M., kand.sel'skokhoz.nauk; UL'YANKIN, M.G.; ANDREYEV, V.V.; FROLOVA, Zh.N.; REVENOK, I.D.

Mechanized continuous V-KS-100 production line for the processing of grapes to brandy alcohol. Trudy MNIIP 4:3-12 '64. (MIRA 18:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810018-4

PAVLOV, V.N.; KUROCHKINA, No..., FESTICAL C. .

Polar agraphic determination of peroxides. Zav. lab. 30
(MIRA 17:5)
no.5:539-540 '64.

1. Nauchno-issledovatoliakly institut sinteticheskikh spirtov
i organisheskikh produktov.

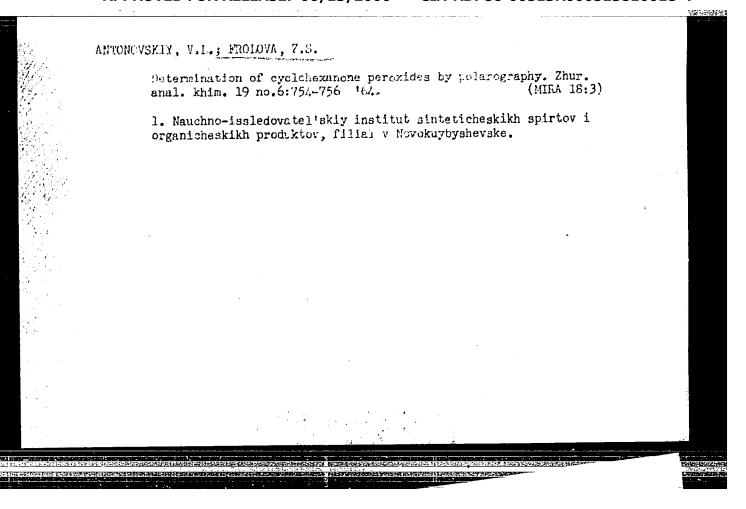
ANTONOVSKIY, V.L.; FROLOVA, Z.S.

Polarographic study of cyclohexancne peroxides. Zhur. ob. khim.

35 no.6:954-957 Je 165. (MIRA 18:6)

1. Nauchno-issledovatel skiy institut sinteticheskikh spirtov o organicheskikh produktov, filial v Novokuybyshevske.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"



s/143/61/000/001/004/006 27085 A207/A126

Frolov, L. B., Engineer, Frolova, Z. V.

AUTHORS:

Electronic automatic safety device

TITLE:

A description is given of the new safety device used in the protec-Energetika, no. 1, 1961, 59 - 64

tion of turbines against overspeeding. It is intended for high-speed, mostly experimental, turbines, but can be used in other machines as well. Contrary to the PERIODICAL: perimental, burblies, but can be used in ounce machines as well. Contrary to the more widely used mechanical automatic safety devices, the machine in question is based on electronics and has a high reliability. The turbines are protected in the following manner: a transmitter of sinusoidal signals of the induction type is located on the turbine shaft. Its frequency is proportional to the turbine rotations. The signal from the transmitter is fed to the automatic safety device. With an increase in the number of revolutions of the turbine close to the limit, with an increase in the number of revolutions of the turbine close to the limit, to which the the frequency of the transmitter signal reaches a frequency of to which the automatic device is set. The latter switches on an electromagnet is suitable automatic device is set. The latter switches "set" the clostromagnet is suitable automatic device is set. automatic device is set. The latter switches on an electromagnet with a spring, acting then upon the valve. In the position "set", the electromagnet is switched in any of the automatic device on and presses the spring. acting then upon the valve. In the position "set", the electromagnet 1s switched device on and presses the spring. At the signal "stop", the relay of the automatic device

Card 1/4

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000513810018-4"

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breaks the circuit of the electromagnet, the spring moves the valve, acting through a row of intermediate links on the vent. The vent has a special signalling device. Electronic automatic safety device If the vent has not closed after a certain period of time by control of the automatio device, the relay comes into action, which switches in the auxiliary elements of the accident-prevention device of the turbine. The principle of the device is as follows: an intensified signal is fed to the double-T bridge and to the phaseshifting chain of the compensating channel.

Intensified signals from the channel and the chan bridge and from the phase-shifting chain, are fed to the phase detector. It is assumed that the difference of the main and compensating channels is equal to zero assumed that the difference of the main and compensating channels is equal to zero at frequencies less than f. At frequencies greater than f., the relay R, disconnects the electromagnet of the performing element. From the main amplifier, the second is fed also to the selective amplifier of signal is fed also to the selective amplifier of the auxiliary channel. The latter is an amplifier with a persetive feed back connection through the double. signal is led also to the selective amplifier of the daylier bridge.

The outlet of the smallfier through the looked detector of the smallfier through the looked detector. is an amplifier with a negative feed-back connection through the double-T bridge. At a At a Interpretation of the amplifier through the locked detector, enters relay R2. The cirrequency of the relay R2 begins to work regardless of R, disconnecting the capacity frequency of for relay R2 begins to work regardless of R, disconnecting the capacity frequency of the performing element. A change in the capacity frequency of the bridge which, in turn, of the electromagnet of the performing the frequency for smooth change-over) and limit is brought about by regulating resistances, for smooth changes and the generalise carried out by blocking alternating resistances, of both channels and the generalise carried out by blocking alternating of for both channels and the generalise carried out by carried values). The regulating of for both channels and the generalise carried out by blocking alternating the first particular carried out by blocking alternating the first particular carried out by blocking alternating of for both channels and the generalise carried out by blocking alternating the first particular carried out by blocking alternating the first particular carried out by blocking alternating of for both channels and the generalise carried out by blocking alternating the first particular carried carried the first particular carried carried the fir is carried out by blocking alternating resistances, (for smooth change-over) and the generatives (for fixed values). The regulating of f of both channels and the generatives (for fixed values). The regulating of scale. The bridge is made of the tor is carried out by a handle and has a graduated scale.

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CIA-RDP86-00513R000513810018-4"

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Electronic automatic safety device

S/143/61/000/001/004/006 A207/A126

temperature-resistant elements. The time relay is started by a signal of any of the relays R_1 and R_2 , and after a certain period of time a pulse is fed to the auxiliary circuits of the valve closing. If in this period of time the signalling device for closing the valve has begun to function, then the circuit leading to the performing elements is broken. It is pointed out that a failure of two specially selected elements could deprive the turbine of its protection. This deficiency can be eliminated and the dependability of the device increased by introducing a block with four automatic protection units. Thus, the instrument has a design of assembly units. The instrument also has a periodic service checker which is a CA -60 (SD-60) motor, with a reducing gear and a contact drum. The tests were carried out on an experimental radial turbine at 15,000 - 20,000 rpm. The following advantages of the electronic device are listed as compared to the widely-used mechanical type: 1) it can be used in high-speed machines, 2) it is easy to check, can be tested during performance, 3) the capacity limit can be easily changed, 4) it can function without a lubricating system. The disadvantages of the device are: the comparatively complex scheme, which is connected with a lesser reliability of the parts. There are 4 figures.

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CIA-RDP86-00513R000513810018-4

27085

Electronic automatic safety device

S/143/61/000/001/004/00 A207/A126

ASSOCIATION:

Moskovskiy ordena Lenina energeticheskiy institut, Kafedra parovykh 1 gazovykh turbin (The Moscow Older of Lenin Power Engineering Department of Steam and Gas Turbines)

SUBMITTED:

March 21, 1960

Card 4/4

FROLOVA-RAYEVSKAYA, I.A. Algae in Rybneye Lake and in waters near to Laleye Rybneye Lake in the vicinity of the city of Brevary. Nauk. sap. Kiev.un.12 ne.7:127-152 53. (MIRA 9:10) (Rybneye Lake--Algae)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

POLINOVSKIY, V., inzh.; FROLOVICH, E., inzh.

Device for remote control of elevator michanisms. Muk.-elev. prom. 28 no.10:5-6 0 '62. (MIRA 16:1)

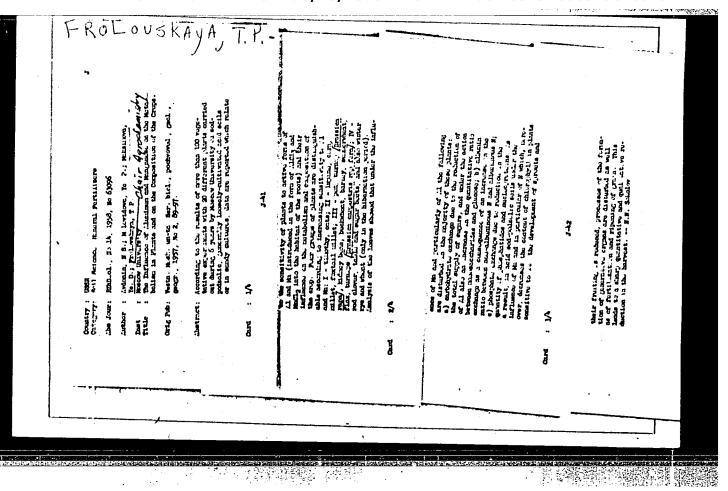
1. Odesskiy proyektno-konstruktorskiy institut pishchevoy promyshlennosti. (Grain elevators) (Remote control)

Elements for the design of interoperational conveying devices in automatic transfer lines. Trudy TMI no.16:56-77 '62. (MIRA 17:2)

FROLOVICH, Ye.N., inmh.

Devices for conveying machined parts in automatic transfer machine lines. Vest.mashinostr. 42 no.7162-65 Jl '62.

(HIRA 15:8)



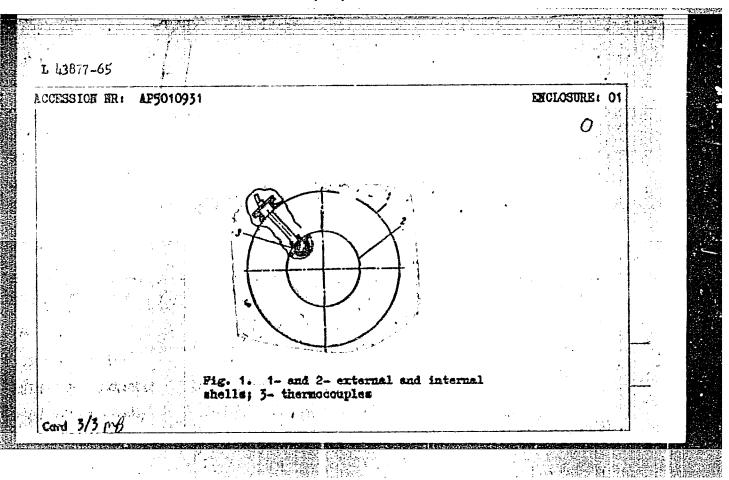
- 1. DRUBLYANETS, E. E. AND FROLOVSKAYA, YE. B.
- 2. USSR (600)
- 7. "The Spread of Bacterial Microflora in Hydrolysis Plants", Sbornik Trudov Vsesoyuzn. Nauch.-Issled. In-ta Gidroliznoy i Sul!fitno-Spirtovoy Promyshlennosti (Symposium of Works of the All-Union Science-Research Institute of the Hydrolysis and Sulfite-Alcohol Industry) Vol 3, 1950, pp 141-155

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132

THOR: Frolovskiy, I. L. The control of the stream of outflow gases. The control of the stream of outflow gases gas turbine, of the control of the temperature field, outflow gases gas turbine gase for the temperature field of a stream of outflow gases, as in a gas turbine gine (see Fig. 1 on the Enclosure). To increase the accuracy of measurement and shorten the time of experimentation, the device is made in the form of a hollow gover transmitter between the engine and the exhaust system and carries radially must the temperature of the gas must the temperature of the gas must the annuli between the shells and also serve as mountings for holding the collation; none	43877-65 EWT(1)/EEC(t) CCESSION NR: AP5010931		
The: A device for measuring the temperature field of the stream of outflow gases. Ass 42, No. 169827 URCE: Byulleten' izobretemiy i tovarnyth anakov, no. 7, 1965, 116 PIC TAGS: temperature measurement, temperature field, outflow gas, gas turbine, ermocouple Offi STRACT: This Author Certificate presents thermocouples containing a device for assuring the temperature field of a stream of outflow gases, as in a gas turbine gine (see Fig. 1 on the Enclosure). To increase the accuracy of measurement and shorten the time of experimentation, the device is made in the form of a hollow ng covered with an external and an internal shell. The external shell serves as power transmitter between the engine and the exhaust system and carries radially must thermocouples. These thermocouples measure the temperature of the gas need the annuli between the shells and also serve as mountings for holding the serve shell coaxially with the engine. Orig. art. has: 1 figure.		UR/0286/65/000/007/0116/0116	
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Automatic chromatograph for controlling the composition of

ANDERS, V.R.; FROLOVSKIY, P.A.; REMNEY, V.F.; SLOBODKIN, M.S.

hydrocarbon gases in the production line. Khim. i tekh.topl.
i masel 4 no.3:25-29 Mr '59. (MIRA 12:4)
(Petroleum--Refining) (Chromatographic analysis) (Automatic control)

TARASOV, Aleksey Issarionovich. Prinimali uchastiye: KÖZ'MINA, A.V.;
ZIMINA, K.I.; POLYAKOVA, A.A.; IOGANSKN, A.V.; FROLOVSKIY, F.A.;
IJIGOVA, W.I.. L'VOVA, L.A., vedushchiy red.; MUKHINA, E.A.,
tekhn.red.

[Gases obtained in petroleum refining and methods of their
analysis] Gasy neftepererabotki i metody ikh analiza. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960.

222 p. (MIRA 13:2)
(Petroleum--Refining) (Gases--Analysis)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

FRCLCVSKIY, P.A.; Prinimali uchastiye: ANDERS, V.R.; REMNEV, V.F.;

BULAKH, Ye.S.; KHURSHUDYANTS, I.K.; YATSENKO, P.G.; TARASOV, A.I.;

IOGANSON, A.V.; LULOVA, N.I.; KURDRYAVTSEVA, N.A.

Kh.L-3 laboratory chromatograph. Khim. i tekh.topl.i masel 6 no.7:44-49 Jl '61. (MIRA 14:6)

 Spetsial noye konstruktorskoye byuro po avtomatike v neftepererabotke i neftekhimii.
 (Gas chromatography)

KARPOV, A.K.; FROLOVSKIY, P.A.; SHOROKHOV, N.R.; FILATOVA, Z.S.

Device for the continuous determination of the moisture content of natural gases. Cam. prom. 7 no.4137-43 '62 (MIRA 1717)

FROLOW, V.

Morphologic determination of the phase of the annual component of temperature, rainfall and runoff in Czechoslovakia. In Czech and French. p. 1. (Rozpravy, Rada Technickych Ved. Vol. 67, no. 1. 1957. P_raha, Czechoslovakia)

SO: Monthly List of East EuropeanAccessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

ZHUKOVA, T.A.; GOZODOVA, G.Ye.; PRISYAZINA, L.A.; FROL'TSOVA, A.Ye.

Carriage of parasites in tertian malaria in the Masally District of the Azerbaidzhan S.S.R. Med.paraz.i paraz.bol. no.5:572-580 '61. (MIRA 14:10)

1. Iz otdela epidemiologii (i. o. zav. otdelom K.K. Dukhanina) i klinicheskogo otdela (zav. otdelom - prof. N.N. Plotnikov) Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Ye.I. Martsinovskogo Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.G. Sergiyev).

(MASAILY DISTRICT—MALARIA)

OZERETSKOVSKAYA, N.N.; FROL'TSOVA, A.Ye.; TUMOL'SKAYA, N.I.

Pathogenesis of organic and systemic lesions in trichinosis.
Report No.1: The nature of trichinosis encephalitis and meningoencephalitis; experimental research. Med.paraz. i paraz.bol. 33 no.3:262-271 My-Je *64.

(MIRA 18:2)

1. Klinicheskiy otdel Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva.

OZERETSKOVSKAYA, N.N.; FROL'TSOVA, A.Ye.; SIBILEVA, L.M.

Acrichine with novocaine in the treatment of Taentarhynchus infection. Report No.1: Acrichine and novocaine treatment of patients with normal and persistant forms of Taentarhynchus infection. Med.paraz.i paraz.bol. 33 no.4:403-408 J1-48 164.

(MIRA 18:3)

l. Klinicheskiy otdel Instituta meditsinskoy paratirologii i tropicheskoy meditsiny lmeni Ye.I. Martsinovskoga Ministerstva zdravookhranoniya SSSR i kafedra gospitalincy terapii i professionalinykh zabolevaniy I Moskovskogo ordena lenina meditsinskogo instituta imeni Sechenova, Moskva.

PLOTNIKOV, N.N.; CZERETSKOVSKAYA, N.N.; ALEKSEYEVA, M.I.; TURCHINS, M.Ye.; VITEBSKIY, Ya.D.; DYAKIN, V.M.; FROL'TSOVA, A.Ye.; TUMOL'SKAYA, N.I.

Use of tepal (thymol ester of palmitic acid) in echinococcosis in man. Sov.med. 28 no.4:129-136 Ap 165. (MIRA 18:6)

1. Klinicheskiy otdel Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, kafedra propedevtiki i terapii professional-nykh bolezney sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova i Kurganskaya oblastnaya bol'nitsa.

FROL'TSOVA, A.Ye.; ASTAF'IEV, B.A.; KONOVALOVA, L.M.

Search for specific trichinelliasis therapy. Report No.1:
Acrichine, chlorophos, monomycin and a growth promoting
substance of petroleum origin in experimental trichinelliasis
of rats. Med. paraz.i paraz.bol. 34 no.4:387-389 J1-Ag 165.

(MIRA 18:12)

1. Klinicheskiy otdel i laboratoriya biologii gelimintov i spetsificheskogo deyatviya preparatov Instituta meditsinskey parazitologii i tropicheskoy meditsiny imeni Ye.I.Martsinov. skogo Ministerstva zdravookhraneniya SSSR, Moskva. Submitted March 21, 1965.

S0V/106-58-12-6/13

AUTHOR: Frolushkin, V.G.

TITLE:

Investigation of the Statistical Structure of Images by

a Method of Division of the Field of Events

(Issledovaniye statisticheskoy struktury izobrazheniy

metodom deleniya polya sobytiy)

PERIODICAL: Elektrosvyaz', 1958 Nr 12, pp 43 - 48 (USSR)

ABSTRACT: If the area of a transmitted image equals n raster elements, then $N=2^n$ different combinations of black

and white raster elements can be formed on this area. If the probability of appearance of each combination, i.e. image, is determined, then a complete description of the statistical structure of the videc-signal source would be obtained. The large value of N is an obstacle in this method, even when only small parts of the image are considered. However, if the image field is divided into parts in such a manner that each part can be considered stochastical, i.e. not depending, in a statistical

sense, on the other parts, then the problem can be simplified. Parts of the image having dimensions less than those

Card 1/4 of a stochastical part are called "microparts"; parts of

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Investigation of the Statistical Structure of Images by a Method of Division of the Field of Events

> greater dimensions - "macroparts". Analysis of a micropart consists in the determination of the probabilities of all the combinations of the raster elements comprising the part. These combinations are called "elementary events". Analysis of a micropart of n raster elements consists of the measurement of a distribution function of the nth order, and with increase in the size of the micropart, practical analysis becomes impossible. To overcome this difficulty, the author proposes a method of analysis by division of the field of events. In this method, the field of events is divided in some manner into a number of parts; the parts, in their turn, are divided into groups, the groups into sub-groups, and so on. For analysis of the field of events, to the first approximation, only the probabilities of the parts are determined; all the elementary events inside each part being considered equally probable.

Card 2/4 To the second approximation, as well as the probabilities of the parts, the probabilities of the groups are also

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determined, the elementary events within the group being considered equally probable. To the third approximation, the probabilities of the sub-groups are determined, and so or. Thus, more and nore data can be citained or the statistical structure of the investigated objective. The manner in which the field of everts is divided must satisfy the following two conditions: (1) The singlevalue condition. Each elementary event of a field N should enter into only one part, one group, one sub-group, and so or. (2) The condition of completeness. elementary event of the field must belong to some part, group, sub-group, etc. The author then considers the entropy obtaining an asymptotic evaluation between an upper and lower value. The general parameters saturation and detail - are used for division of the

Card 3/4 field and formulae are produced for determination of the

Investigation of the Statistical Structure of Images by a Method of Division of the Field of Events

number of elementary events having the same value of saturation and detail. There are 1 figure and 3 references, one of which is Soviet and 2 English.

SUBMITTED: February 5, 1958

Card 4/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

Frolushkin, V.G. AUTHOR:

SOV/106-59-5-9/13

TITLE:

Analysis of the Statistical Structure of Textual Photo-Telegrams (Analiz statisticheskoy struktury

tekstovykh fototelegramm)

PERIODICAL: Elektrosvyaz', 1959, Nr 5, pp 63-70 (USSR)

ABSTRACT:

In photo-telegraphy, a line-sweep of the image is used and neighbouring elements in the direction of the sweep correspond to signal values occurring at consecutive time intervals. Therefore the image can be investigated on the basis of the "field of events" for a "unit line". For the investigation, the author uses the "division of the field of events" method described in his previous work (Ref 2). By unit line the author means a chain of

n raster-elements in the direction of the sweep.

Previous experience has shown that if n = 100, then each unit line can be considered as statistically independent of the sweep sections lying to its left and to its right.

The values of the generalised, image parameters saturation and detail - were used to analyse, in the

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first approximation, the field of events of a unit line

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Analysis of the Statistical Structure of Textual Photo-Telegrams

containing $N = 2^{100}$ elementary events. For a more accurate analysis, the distribution of the probabilities of paired-combinations of the saturation and detail values was obtained. For a line length of 100 rasterelements, the saturation i (Ref 2) can assume any whole-number value of 0 to 100. Thus, the field of events can be broken down into 101 parts, according to the values of i. If each part is allocated a number, corresponding to the value of i, then the number of elementary events, which enter into the i-th part equals

$$M_i = c_{100}^i = \frac{100!}{i!(100 - i)!}$$
 (1)

The features of the distribution of the probabilities of the saturation values obtained empirically for handwritten text (Fig la) are as follows: 1. The probability pi reduces smoothly with increase of i. 2. The "envelope" of the distribution of pi approaches

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the abscissa comparatively slowly.

3. All possible values of i have a probability different from 0.

4. The value i equal to zero has a probability an order, or more, greater than the probability of any other saturation value.

The mean value of i equals

$$i_{ev} = \sum_{i=0}^{100} p_i i = 13.5$$
 (2)

Fundamentally, these features hold for typed and newspaper printed texts also (Fig 1b and 17) except that for newsprint a second maximum occurs in the region of i values between 30 and 40. This maximum is also observed to a lesser degree in typed text. Assuming that all lines with equal saturation values are equally probable, the entropy of the unit line can be

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calculated by the formula

$$H_{i} = \sum_{i=0}^{100} p_{i} \log_{2} \frac{1}{p_{i}} + \sum_{i=0}^{100} p_{i} \log_{2} c_{100}^{i} = H_{i \min} + H_{s(i)}$$

Entropy values so calculated are given in Table 1. The ratio of the upper to lower entropy values for all three cases is approximately 10. The possible values for the detail j (Ref 2) for a unit line of 100 rasterelements are

$$j = 0; 1; 2; 3; \dots 99$$

Thus, the field of events N is broken down into 100 parts according to the detail values. The number of elementary events entering into the j-th part equals $M_{*} = 2C_{00}^{2}$ (4)

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Graphs of the empirical distribution of the probabilities of the detail values for handwritten, typed and newsprint texts are produced in Fig 2a, b, and V respectively.

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Analysis of the Statistical Structure of Textual Photo-Telegrams

These graphs differ from the previous ones in Fig 1 as follows:

- 1. The envelope of the detail distributions approach the abscissa much more steeply.
- 2. A large portion of the possible values of j have zero, or approximately zero, probability.
- 3. All values of $j > j_{g_{-}}$, where $j_{g_{-}}$ is a boundary value of j for a given type of text, have zero probability. For handwritten text, $j_{g_{-}} = 22$; for type, $j_{g_{-}} = 25$; for newsprint, $j_{g_{-}} = 35$. Both graphs have the following common features: reduction of the probability with increase of i or j and exceptional values at i = 0 and j = 0. For calculation of the entropy, it is assumed that lengths having the same detail are equally probable. Values of the entropy calculated by the formula

$$H_{j} = \sum_{j=0}^{99} p_{j} \log_{2} \frac{1}{p_{j}} + \sum_{j=0}^{99} p_{j} \log_{2} 2c_{99}^{j} = H_{j \min} + H_{s(j)}$$
 (5)

Card 5/10 are given in Table 2. The ratio of the mean values of

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the maximum to the minimum entropy is 7.7. Because all values of $j > j_{gr}$ have zero probability, in fact, a unit line contains not $N = 2^{100} - 10^{30}$, but N' elementary events where

 $N' = 1.6 \times 10^{22}$ $N' = 5.6 \times 10^{23}$ $N' = 2.9 \times 10^{27}$ for handwritten text

for type text

for newsprint.

When the statistical structure is analysed by using the distribution of the probabilities of pairedcombinations of saturation and detail values, a twofold division of the field of events occurs and consequently a two-dimensional distribution of the probabilities p(i,j). The field of events N is divided into groups according to combinations of the saturation and detail values; events having equal values of i and j are combined into one group and events belonging to the same group are considered equally probable (this assumption of equal probability is closer to reality than the previous assumptions). The number of groups

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into which a field of events of a line of 100 rasterelements is grouped equals

$$K = \frac{1}{4} \left[2 \times 100^2 + 5 - (-1)^{100} \right] = 5001$$
 (7)

The number of elementary events, entering into a group with indices i and j, equals

$$M(i,j,100) = \frac{2}{\left[\left(\frac{j-1}{2}\right)!\right]^2} \int_{v-1}^{\frac{j-1}{2}} (i-v)(100-v-i)$$
 (8)

$$M(i,j,100) = \frac{2\frac{100-j}{j}}{\left[\left(\frac{j-2}{2}\right)!\right]^2} \int_{v-1}^{j-2} (i-v)(100-v-i)$$
 (9)

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$$j = 0, 2, 4, \dots, 98$$

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To obtain more reliable results, the probabilities in the empirical distribution were averaged for all three types of image. The entropy of the two-dimensional distribution of probabilities of the i and j values was calculated by the formula:

 $H_{i,j} = \sum_{i=0}^{100} \sum_{j=0}^{99} p_{i,j}^{\log_2 \frac{1}{p_{i,j}}} + \sum_{i=0}^{100} \sum_{j=0}^{99} p_{i,j}^{\log_2 M(i,j,100)}$ (10)

where M(i,j,100) is determined by (8) and (9). The entropy values so calculated are tabulated in Table 3 and the entropy values obtained previously are also given for comparison. From examination of Table 3, it is concluded that division of the field of events by combination of saturation and detail values gives a more accurate description of the structure of a unit line. The ratio of the upper to lower entropy values in this case is reduced to 3.7. The probabilities of the saturation and detail values and of their

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Analysis of the Statistical Structure of Textual Photo-Telegrams

combinations were determined experimentally by selective measurements. The selection was made by taking random samples of the signal of the type of telegram under investigation, which was continuously swept by a photo-telegraphic transmitter. The sample was a 100 raster-element length of the video signal quantized by amplitude and duration. The quality of the quantization was checked by writing the image of the quantized signal on a tele-photographic receiver. The duration of the elementary pulse corresponding to a sweep of one raster-element equalled 0.55 microsecond and the dimension of the raster-element in the direction of the sweep equalled 0.18 mm. The block schematic of the apparatus (Fig 4) and the idealised wave-form time

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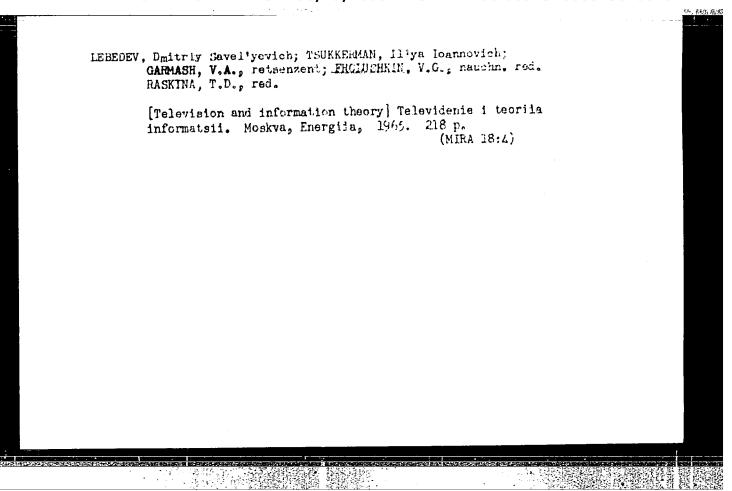
SOV/106-59-5-9/13

Analysis of the Statistical Structure of Textual Photo-Telegrams

diagrams (Fig 5) are described. There are 5 figures, 4 tables and 4 Soviet references.

SUBMITTED: 5th February 1958

Card 10/10



FROLYAKIN, I.A., agronom-entomolog

Notifying and forecasting service in the Russian Federation.

Zashch. rast. ot vred. i bol. 5 no.9:43-44 S '60. (MIRA 15:6)

(Plants, Protection of)

FROLYAKINA, Ye.A.; OVSYANNIKOVA, S.N.; GRINENKO, B.A.

At the Exhibition of Achievements of the National Economy of the U.S.S.R. Zashch. rast. ot vred. i bol. 6 no.7338 Jl '61.

(MIRA 16:5)

1. Starshiy metodist pavil'ona "Zemledeliye" na Vystavke dostizheniy narodnogo khozyaystva (for Frolyakine). 2. Ekskursovod eksponatnogo uchastka na Vystavke dostizheniy narodnogo khozyaystva (for Ovsyannikova), 3. Direktor pavil'ona "Sadovodstvo" na Vystavke dostizheniy narodnogo khozyaystva (for Grinenko).

(Magow—Exhibitions) (Plants, Protection of—Exhibitions)

NETREBA, I.; FROLYAKINA, Yez, agronom-entomolog

Methods of using irrecticides, fungicides, and herbicides in pest and weed control. Zemledelie 23 no.3:88 Mr *61. (MIRA 14:3)

1. Glavnyy metodist pavil'ona "Zemledeliye", Vystavka dostizheniy narodnogo khozyaystva SSSR (for Netreba).
(Insecticides) (Fungicides) (Herbicides)

FROLYAKIN, I.A.

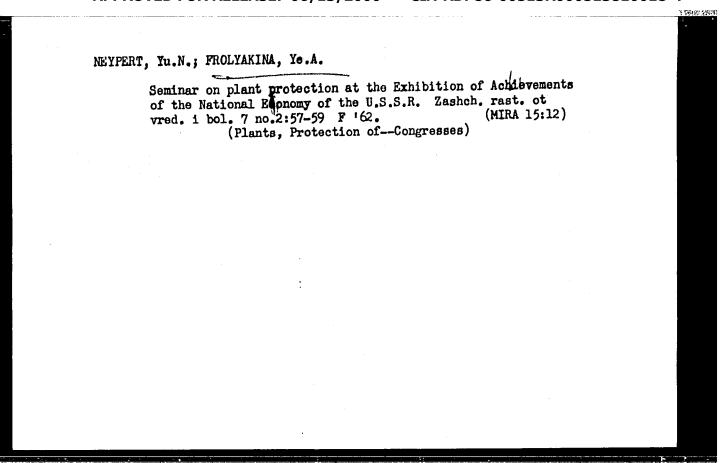
Seminar on corn protection. Zashch. rast. ot'wred. i bol. 6 no.9:56-57 S '61. (MIRA 16:5)

l. Zaveduyushchiy sektorom sluzhby signalizatsii i prognozov pri Ministerstve sel'skogo khozyaystva RSFSR. (Corn (Maize)—Diseases and pests)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

FROLYAKINA, Ye.A.

In the "Zemledelie" pavilion at the Exhibition of Achievements of the National Economy of the U.S.S.R. Zashch. rast. ot vred. i bol. 6 no.11:56-57 N '61. (MIRA 16:4)



FROLYAKINA, Ye.A.

At the Exhibition of Achievements of the National Economy of the U. S. S. R. Zasheh. rast. ot vred. i bol. 7 no.7:60-61 Jl '62. (MIRA 15:11)

l. Starshiy ekskursovod povil'ona "Zemledeliye" na Vystavke dostizheniy narodnogo khozyaystva SSSR. (Moscow—Exhibitions) (Plants, Protection of—Exhibitions)

FROLYAKINA, Ye.A., metodist

Visiting the stands of the "Agriculture" pavilion. Zashch. rast. ot vred. i bol. 8 no.9:58-60 S '63. (MIRA 16:10)

1. Pavil'on "Zemledeliye" na Vystavke dostizheniy marodnogo khozyaystva.

FROLYAKIN, I A., agronom po mashchite rasteniy

Wettable powdered chlorophos. Zashch. rast. ot vred. 1 bol. 9 no.9:
31 '64.

(MIRA 17:11)

FROLYAKINA, Ye.; ZHIKHAHEVA, Z.

Itinerant exhibition. Zashch, rast, ot vred.1 bol. 10 no.9;
58-59 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

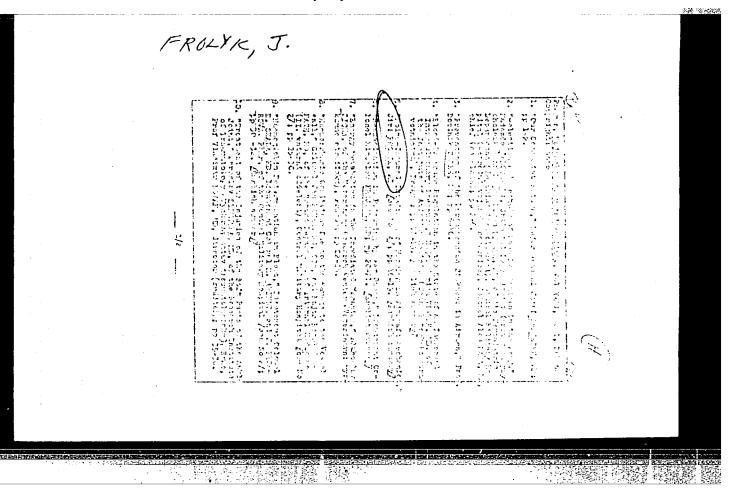
计图形系统 电电子

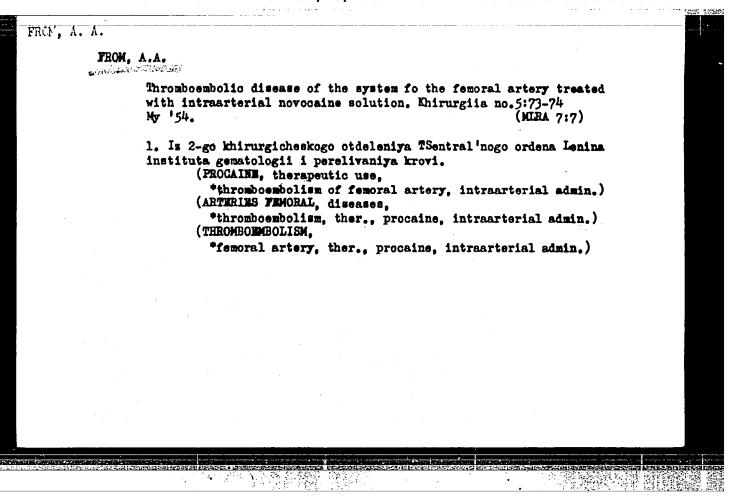
FROLYAKINA, Ye.A., metodist

In the "Agriculture" Pavilion. Zashah. rast. of vred. 1 bol.
9 no.7:54-55 '64. (MIRA 18:2)

1. Pavil'on "7-mledeliye" na Vystavke dostizhaniy narodnogo
khozyaystva SSSR.

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FREM, HIT.

. USSR / Pharmacology, Toxicology, Chemotherapeutic Agents

U-7

Abs Jour

: Ref. Zh. Biol., No 2, 1958, No 8122

Author

Inst

1

Ti tle

. The Distribution of Penicillin in the Body

Orig Pub

V sb.: Antibiotiki, Eksperim. Klinich. Izuch. M., 1956, 235-238

Abstract

: 1,200-1,300 units per kg of penicillin, the molecules of which contained S35, were administered intramuscularly, intravenously or into the femoral artery, with or without the application of a tourniquet, to healthy rabbits with turpentine—induced aseptic abscesses in the muscles of the right thigh. After 45 min and 2.5 hours the radio—activity of penicillin was determined in specimens removed from

Card

: 1/3

USSR **APPROVED FOR RELEASE: 06/13/2000**10 ACIAL RDP86-00513R000513810018-4

Abs Jour

: Ref. Zh. Biol., No 2, 1958, No 8122

Abstract

: symmetrical loci on both thighs and from the wall of the abscess. Following intravenous administration the concentrations of penicillin in both extremities of the rabbits were equally low; after intramuscular injection of the drug, the concentrations in both extremities were somewhat higher. After intraarterial infusion, the concentration on the side of administration was 2-2.5 times higher than that following intramuscular injection. The application of a tourniquet resulted in an increase in drug concentration in the tissues of a given extremity. Only by means of intraarterial injection, accompanied by application of the tourniquet, did it become possible to reach a concentration in the tissues of an extremity which was higher than that in the venous blood. A uniform penicillin distribution was not wobserved after intravenous or intramuscular injection in rabbits with absesses in the thighs. Regardless of the route of administration, there was twice as much penicillin in the thissues around

Card

2/3

Use of polyglukine in traumatic shock and acute blood loss. Probl. gemat. i perel.krovi 1 no.2:55-56 Mr-Ap '56. (MLRA 10:1) 1. Iz TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva sdravookhraneniya SSSR (dir. chlen-korrespondent AMN prof. A.A.Bagdasarov) (PLASMA SUBSTITUTES, ther. use polyglukin, in traum. shock & acute blood loss) (HEMORRIAGE blood poss, ther., polyglukin as plasma substitute) (SHOCK traum., ther., polyglukin as plasma substitute)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"

FROM, A.A.

Intra-arterial infusions of novocaine with penicillin in the treatment of inflammatory diseases of the extremities. Khirurgiia 32 no.7:41-44 J1 156. (KLRA 9:11)

1. Iz khirurgicheskoy kliniki (zav. - prof. D.M.Grozdov) TSentral'nogo ordena Lenina instituta gematologii i perelivaniia krovi (dir. chlen-korrespondent AMN SSSR prof. A.A.Bogdasarov)

(ABSCHSS, ther.

procaine penicillin in abscess of extremities)
(PENICILLIN, ther. use
same)

FRCM, A.A. (Cand. of Med. Sci.)

"On the Question of Diffusion of Penicillin in the Organism,"

p. 235 Ministry of Health USSR Proceedings of the Second All-Union Conference on Antibiotics, 31 May - 9 June 1957. p. 405, Moscow, Medgiz, 1957.

FROM, A.A.

"The Change of Unconditioned Vascular Reflexes When Under the Effect of Transfusion of Blood and Its Substitutes," by A. A. From, Central Order of Lenin Institute of Hematology Blood Transfusion (director, A. A. Bagdasarov, Corresponding Member, Academy of Medical Sciences USSR), Ministry of Health USSR, Problemy Gematologii i Perelivaniya Krovi, Vol 2, No 1, Jan/Feb 57, pp 51 - 53

Comparative studies were conducted on unconditioned cold vascular reflexes of patients under the influence of intravenous transfusions of blood, plasma preparations, therapeutic serum of Belen'kiy, antishock fluid TsOLIPK, and physiological salt solution.

Results proved that strong inhibition of unconditioned cold vascular reflexes arise after the transfusion of whole blood, and in certain cases a paradoxical phase appeared. This inhibition of vascular reflexes lests 24 - 48 hours. Transfusion of native plasma and antishock fluid TSOLIPK 6a exert analogous reactions but of a shorter duration. Transfusion of therapeutic serum of Belen'kiy is accompanied by lesser inhibition of unconditioned cold vascular reflexes which disappear within one tion of unconditioned cold vascular reflexes which disappear within one day. Physiological salt solution causes either insignificant decrease or no change in unconditioned cold vascular reflexes.

二国基础,《报

Sum. 1305

FROM A.A.

U-3

USSR/Shock

Abs Jour : Rof Zhur - Biol., No 6, 1958, No 17671

: Saburova - Danileva, I.V., From, Ash.

Nuthor : Experimental Use of Polyglucin in Traumatic Shock. Inst

Titlo

Orig Pub: Probl. gomatol. i perelivaniya krovi, 1957, 2, No 2, 54-55.

Abstract: From a total number of 155 patients admitted with manifestations of sheek, polyglucin (P; compound similar to dextran but without its side effects) was used in dosages up to 2-3 1 alone or with addition of blood. Of 11 patients with the 3rd-4th dogroe shock, 9 recovered after the administration of P, whereas 23 of 35 patients recovered after the infusion of P and blood. When the antishack solution NT was used only 1 of 7 patients survived. The administration of P is indicated when Hb falls below 8 gm. %. The simultaneous administration of various antishook solutions is unsuitable (only 8 of 23 patients with the 3rd-4th degree shock recover-The infusion of the physiologic solution following the

1/2 Card

Doi Rea Inst First lied im Shiliponsusking

- APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 28671

administration of P is contraindicated, since this weakens functions of the heart as a result of overloading with bulky fluid.

Card : 2/2

COUNTRY \mathbf{T} *USSR :Human and Animal Physiology, Blood CATEGORY ABS. JOUR. : RZhBiol., Ne. 5 1959, No. 21967 :From, A.A.; Murazyan, R.I. AUTHOR INST. :Clinical Reactions to Polyglucine. TITLE ORIG. FUB. : Klinich. meditsina, 1957, 35, No. 7, 57--59 Analysis of 533 transfusions of 85 different ABSTRACT lots of polyglucine showed that the blood-substitute was not primarily reactogenic or anaphylactogenic. Slight reactions were noted in 3 cases at the initial transfusion (0.5%). No pathological changes in the organs were detected in association with utilization of polyglucine. Intravenous injection of large doses of polyglucine (up to 2000 ml) into 273 patient failed to produce hemophilia in a single case. Polyglucine transfusions resulted in a temporary shortening of blood clotting, which returned to normal after 3 to 24 hours.

1. is khirurgicheskoy kliniki (sav. - prof. D.M.Grozdov) TSentrel'-Card: nogo ordena Lenina instituta gematologii i perelivaniya krovi Ministerstva zdravookhraneniya SSSR (dir. - chlen-korrespondent AMN SSSR prof. A.A.Bagdasarov),

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000513810018-4"